



SWARC NEWS-08/24

Notes from KO4ZFO (Rodney)

Dear SWARC members,

I hope all of you are staying safe and dry. I only have a few things this month to share. We are now accepting RSVPs for the NC State Fair Ham Exhibit. If you are interested or have questions, please feel free to reach out to me. I will be posting the RSVP links on the SWARC website this coming week, but if you would like to sign up now, I have provided the links below. Keep in mind that there will be two sign-up sheets. One is for the regular Exhibit Booth, and the other is for the Special Event station. We are doing a Special Event Station both Fridays, Saturdays, and Sundays of the fair. This is posted on ARRL Special Events listing. Please come out and enjoy the fun at the Fair!

Exhibit: <https://www.signupgenius.com/go/10C0E48A5AC2EA3F5C25-50061011-2024#/>

Special

Event: <https://www.signupgenius.com/go/10C0E48A5AC2EA3F5C25-50512969-2024#/>

Please remember our fellow members who are dealing with various medical situations. Please reach out to these members. Even a phone call can brighten their day and give them encouragement through their recovery.



SWARC NEWS-08/24

We ask you to keep the following in your thoughts and prayers:

Gary, KO4LQX, Kenny, KJ4CVK, Steve, KA0GMY, and Bernie Jones, N4BAJ.

Steve, KA0GMY, continues to have health issues of various and sundry sorts so remember him.

Gary Plante, KO4LQX, reports: 'Hi Richard!

Well, I was in the hospital for a couple of weeks trying to figure out why I keep spiking fevers.

Still not sure of the real cause but could be the pancreatitis from gall stones. I've been home for a couple of weeks and just starting to feel better. They don't want to do surgery unless it is really needed.

I have a really good GI surgeon who is working with my oncologist just in case I will need surgery. (Report from Richard Hall and it's over a week old at this printing).

Kenny (KJ4CVK), has ongoing health issues, so keep him in your thoughts. He hasn't been heard on nightly nets recently so encourage him to be more 'radio active' and tell us how he's doing.

Bernie (N4BAJ) has pulled back from many activities due to the length of his recovery. Reach out to him and encourage him. He has been on some recent nets which is very encouraging.

Lastly, I want to remind you that we are now taking online payments for dues and donations. We currently have a link on our website which allows you to pay your dues. We will be splitting the link up in to two



SWARC NEWS-08/24

different links, which will help designate what the payment is for. This will be added to the club site over the next few weeks. While we work through these changes, please let us know when you pay online by emailing me, so that I can ensure your payment is marked either for dues or a donation. Thank you for patience during this process, and I would like to say a huge Thank You to Paul Nicholson and Christy Fernandini for getting this tested and implemented. Once the website is updated, we will be sending another notification email with further instructions.

Thanks again and I hope to hear from you all soon!

Rodney
KO4ZFO

Notes from NW3U (Dave)

Hello SWARC Members,

The program for the August meeting was cancelled due to projected inclement weather and will be rescheduled for another time.

During the September meeting Marv Hoffman, the North Carolina Section Manager will be talking about the ARRL and the Roanoke Division. In October Krish, W4VKU will be giving his presentation on DXExpeditions he has participated in. This presentation was originally scheduled for the August meeting.



SWARC NEWS-08/24

On the HAM Public Service schedule is August 17th, the Five-0 Memorial Ride in Raleigh, and August 25th is the NCBC Summer Rally in New Hill. To sign up or learn more visit hpsnc.org.

Dave, NW3U

SWARC 7 August 2024 Meeting Minutes

The meeting was cancelled due to inclement weather.

Old/Unfinished Business

None.

New Business

None.

Program/Presentation

See the VP notes above for revised schedule.

Public Service

Dave Krum's report is found in VP article near the top of this newsletter. Sign up for events at the website listed below.



SWARC NEWS-08/24

Check the HPSNC.org web site often for Public Service opportunities. The public service season is very active and events need volunteers. You may also get to public service events on the RARS and SWARC websites.

TREASURER'S REPORT

Christy Fernandini's report detailed \$450.00 cash and checks for dues and donations with expenses of \$5.85 for credit card fees. Balance of \$2,723.91 with no obligated funds or invoices outstanding.

Respectfully submitted,
Richard Hall K7RLH
Secretary and Newsletter Editor

MEMBERSHIP

You can bring a check or cash for dues to the next meeting or mail them to the club PO box and Christy will advise she has received them. Also, you can now renew somewhat online by contacting Christy and giving her the appropriate credit card info for the 'Square' account. Christy's email is christyfernandini@outlook.com. Make checks payable to South Wake ARC and send to South Wake ARC – PO Box 1565 – Fuquay Varina, NC 27526



SWARC NEWS-08/24

NET REPORT

SWARC Group – June 2024

The monthly total of check-ins was 217—a very significant uptick from last month! Note that **not** all net controls record their counts so numbers could actually be higher than recorded.

- Saturday and Sunday evenings will be called by KT4JR & K7RLH
- KO4ZFO will call Monday evenings
- KN4OEY will call Tuesday evenings
- KK4BK will call Wednesday evenings except on meeting nights
- KO4ZFO or a board member will call Thursday evenings
- Fridays will continue to be called by NC4MP
- And we need backups – JUST BECAUSE.

Please contact Rodney Warren (KO4ZFO) or Don Nicholson (KN4OEY), if you are interested in calling one or more nets. **If you are a scheduled net controller and you are not able to call your net, please reach out and ask someone else to call it for you!**

SWARC Mission Statement

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of its members. Further, it shall be our purpose to support the



SWARC NEWS-08/24

welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service. Refer to the SWARC web site for the Board of Directors/Officers and Appointed Positions.

LINKS (if you have other links you want added then send them to me)

PRN

A Wide Area Digital Amateur Radio Network

www.ncprn.net

GigaParts

www.gigaparts.com

QRZ

www.qrz.com

Ham Radio Outlet HRO

www.hamradio.com

Raleigh Amateur Radio Society RARS

www.rars.org

Johnson Amateur Radio Society JARS

www.jars..net

South Wake Amateur Radio Club SWARC

www.southwakearc.com

Carolina 440 Network

www.carolina440.net

North Carolina Packet

www.ncpacket.com

TARPN (Terrestrial Amateur Packet Radio Net)

www.tarpn.net

Useful Ham Info

www.torborg.com/a



SWARC NEWS-08/24

Five County Ham Radio Enthusiasts

www.fivecountyhre.org



In Brief...

The 27th Annual International Lighthouse / Lightship Weekend (ILLW) is August 17 – 18, 2024. The event began in 1998 as the Scottish Northern Lights Award run by the [Ayr Amateur Radio Group](#). The ILLW attracts over 500 lighthouse entries located in over 40 countries. It is a popular international amateur radio event, not a contest, and there are very few rules. It is also free and there are no prizes for contacting large numbers of other stations. There are currently 312 lighthouses and their callsigns registered. The complete list can be found on the ILLW homepage and includes stations throughout the United States. Amateur radio operators may use any authorized frequency or mode as defined by their individual licenses. Digital modes such as FT8 may be used, but because FT8 is a keyboard-to-keyboard mode of communication, the visiting public may not fully understand what amateur radio is all about. ILLW guidelines suggest an HF transceiver and a wire type antenna is a better way to demonstrate amateur radio. The event runs from 0001 UTC August 17 to 2400 UTC August 18 (48 hours). For questions about the event or how to enter, contact event organizer and webmaster Kevin Mulcahy, VK2CE, using [this link](#).

Announcements

[Navajo Code Talkers Day](#) is August 14, 2024, and recognizes the contributions of Navajo Marines during World War II. These “code talkers” encoded and transmitted messages using a complex Navajo language-based code. Secret communication was essential to the war and the code was never broken by Japanese forces in the Pacific. Special event station N7C will be in operation August 14 - 18, 0000Z - 0000Z, from Window Rock, Arizona, on 14.265, 7.265, and 18.133 MHz. A certificate & QSL card are available for \$5.00 USD from

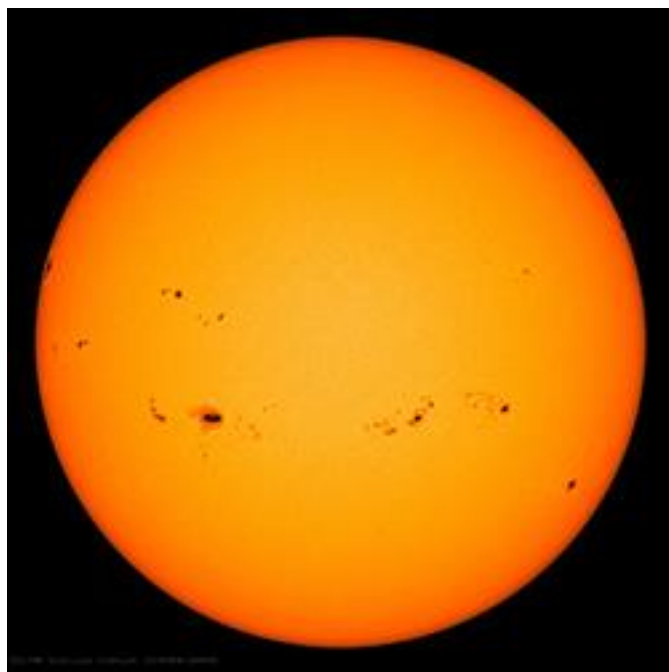


SWARC NEWS-08/24

Herbert Goodluck, N7HG, PO Box 06, Chinle, AZ 86503.

W1AW to change frequencies on 17-meters. Beginning on Friday, September 6, 2024, Maxim Memorial Station W1AW will begin using a new 17-meter frequency for its scheduled CW transmissions due to increased activity near the current bulletin frequency. In order to reduce the possibility of interference, W1AW will move to 18077.5 kHz.

The K7RA Solar Update



This image was taken on August 8, 2024. [Photo courtesy of NASA SDO/HMI]

2024. Geomagnetic activity forecast 09 August: G0, chance G1 half of UT day; 10 August: G1-G2.

For this Friday's ARRL Propagation Bulletin, ARLP032:

Average daily sunspot numbers in July were the highest since 2001.

From the Athens Space Weather Forecasting Center (ASWFC):

A Geomagnetic Disturbance Warning issued 2337 UTC/07 August 2024 by the Australian Space Weather Forecasting Centre. Recent coronal mass ejection (CME) activity is expected to increase geomagnetic activity from mid - 09 August and on 10 August. Increased geomagnetic activity expected due to coronal mass ejection (CME) from 09 -10 August

Australian Space Weather Forecasting Centre Bureau of Meteorology: Solar activity jumped quite a bit over the past reporting week, August 1 – 7, with average daily sunspot numbers rising from 208.9 to 222.3 and solar flux from 207.3 to



SWARC NEWS-08/24

255.3.

[Spaceweather.com](https://spaceweather.com) reported that sunspot numbers have reached a 23-year high.

Geomagnetic numbers were fundamentally unchanged, with average daily planetary A index shifting from 14 to 15.7 and middle latitude index from 13.1 to 13.4.

Seven new sunspot groups emerged: one on August 1, two on August 2, three on August 4 and one August 7. Predicted solar flux shows 270 and 280 on August 8 - 9; 275 on August 10 - 11; 285 on August 12 - 13; 260 on August 14; 205 on August 15 - 16; then 200 and 185 on August 17 - 18; 180 on August 19 - 22; 200 and 210 on August 23 - 24; 220 on August 25 - 26; 235 on August 27 - 28; 245 on August 29 - 30, and 240 on August 31 through September 7.

Predicted planetary A index is 6, 32, 40 and 15 on August 8 - 11, 5 on August 12 - 21, then 10 and 8 on August 22 - 23, and 5 on August 24 to September 6.

Predicting solar max from the Deccan Herald: <https://bit.ly/3AafcFu>

From News 9: "CME from X-Cass Solar Flare to strike glancing blow to Earth between August 8 - 9" <https://bit.ly/4dDAPg1>

From AXIOS Seattle: <https://bit.ly/3WWq3f2>

From Science Daily: www.sciencedaily.com/releases/2024/07/240730134746.htm

Sunspot numbers hit 23-year high: <https://bit.ly/3LURJei>; <https://bit.ly/46AGnFL>

ASB Zeitung: <https://aussiedlerbote.de/en/active-sun-many-sunspots-are-visible>

From Devdiscourse: <https://bit.ly/3AdejvP>

Sunspot numbers for August 1 through 7, 2024 were 260, 232, 217, 194, 189, 222, and 242, with a mean of 222.3. The 10.7 -centimeter flux was 234.4, 247.1, 244.6,



SWARC NEWS-08/24

240.8, 247.3, 270, and 303.2, with a mean of 255.3. Estimated planetary A indices were 22, 9, 10, 46, 10, 6, and 7, with a mean of 15.7. Middle latitude A Index was 22, 9, 9, 28, 10, 8, and 8, with a mean of 13.4.

Send your tips, questions, or comments to k7ra@arrl.net.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) the Propagation Page of Carl Luetzelschwab, K9LA.

A propagation bulletin [archive](#) is available. For customizable propagation charts, visit the [VOACAP Online for Ham Radio](#) website.

[Share](#) your reports and observations.

A weekly, full report is posted on [ARRL News](#).

Just Ahead in Radiosport

- August 10 -- FISTS Saturday Sprint (CW)
- August 10 - 11 -- WAE DX Contest (CW)
- August 10 -- SARL Youth QSO Party (phone)
- August 10 -- Kentucky State Parks on the Air (CW, phone, digital)
- August 10 - 11 -- Maryland-DC QSO Party (CW, phone)
- August 10 -- 50 MHz Fall Sprint (CW, phone, digital)
- August 10 - 12 -- MMonVHF/DUBUS 144 MHz Meteorscatter Sprint Contest (CW, phone, digital)
- August 10 -- SARL HF Digital Contest (digital)
- August 12 -- 4 States QRP Group Second Sunday Sprint (CW, phone)
- August 13 -- DARC FT4 Contest (FT4)
- August 14 -- NAQCC CW Sprint (CW)
- August 14 - 15 -- YB Bekasi Merdeka Contest (phone)
- August 15 - 16 -- Walk for the Bacon QRP Contest (CW)

Visit the [ARRL Contest Calendar](#) for more events and information.



SWARC NEWS-08/24

Upcoming Section, State, and Division Conventions

- August 17 - 18 | [Huntsville Hamfest](#), sponsoring the ARRL Southeastern Division Convention, Huntsville, Alabama
- August 22 - 25 | [Northeast HamXposition](#), sponsoring the ARRL New England Division Convention, Marlborough, Massachusetts
- August 30 - September 1 | [Shelby Hamfest](#), sponsoring the ARRL North Carolina State Convention, Shelby, North Carolina
- August 31 | [Summer Symposium](#), sponsoring the ARRL Santa Barbara Section Convention, Camarillo, California
- September 8 | [ARRL Southern New Jersey Section Convention](#), Mullica Hill, New Jersey
- September 20 - 22 | [Duke City Hamfest](#), sponsoring the ARRL New Mexico State Convention, Albuquerque, New Mexico
- September 21 - 22 | [Midwest Superfest](#), sponsoring the ARRL Illinois Section Convention, Chillicothe, Illinois
- September 28 | [Red River Radio Amateurs Hamfest](#), sponsoring the ARRL Dakota Division Convention, West Fargo, North Dakota
- October 5 | [Wichita Area Hamfest](#), sponsoring the ARRL Kansas State Convention, Wichita, Kansas
- October 5 | [Northstar Radio Convention](#), sponsoring the ARRL Minnesota State Convention, Brooklyn Park, Minnesota
- October 5 | [Rock Hill Hamfest](#), sponsoring the ARRL South Carolina Section Convention, Rock Hill, South Carolina.

Search the [ARRL Hamfest and Convention Database](#) to find events in your area.

Have News for ARRL?

Submissions for the ARRL Letter and ARRL News can be sent to news@arrl.org. --
John E. Ross, KD8IDJ, [ARRL News Editor](#)



SWARC NEWS-08/24



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Listen to [ARRL Audio News](#), available every Friday.

The ARRL Letter is available in an accessible format, posted weekly to the [Blind-hams Groups.io](#) email group. The group is dedicated to discussions about amateur radio as it concerns blind hams, plus related topics including ham radio use of adaptive technology.

[NCJ -- National Contest Journal](#). Published bimonthly, features articles by top contesters, letters, hints, statistics, scores, NA Sprint, and QSO parties.

[QEX -- A Forum for Communications Experimenters](#). Published bimonthly, features technical articles, construction projects, columns, and other items of interest to radio amateurs and communications professionals.

Free of charge to ARRL members...

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The ARRL Letter is published Thursdays, 51 times each year. ARRL members may subscribe at no cost or unsubscribe by editing their profile at www.arrl.org/opt-in-



SWARC NEWS-08/24

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ARRL

225 Main Street, Newington, CT 06111-1400

www.arrl.org • 860-594-0200



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